NEWS 25 AUG 25 CA/CAplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS 26 AUG 27 CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:56:51 ON 29 AUG 2008

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'CAPLUS' ENTERED AT 11:57:08 ON 29 AUG 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.


FILE COVERS 1907 - 29 Aug 2008 VOL 149 ISS 10
FILE LAST UPDATED: 28 Aug 2008 (20080828/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

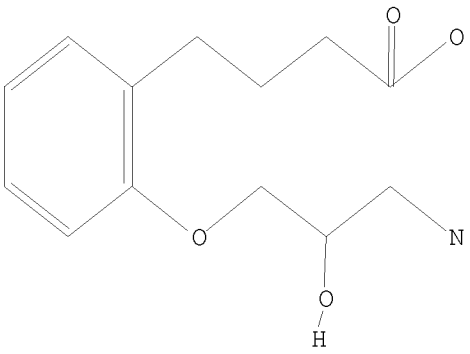
Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=>
Uploading C:\Program Files\Stnexp\Queries\10587771.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR




Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 11:57:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1083 TO ITERATE

100.0% PROCESSED 1083 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

L2 12 SEA SSS FUL L1

L3 6 L2

=> d 1-6 ibib abs hitstr

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:902849 CAPLUS
DOCUMENT NUMBER: 143:229575
TITLE: Preparation of amino-hydroxy-functionalized-aromatic carboxy compounds as calcilytic compounds useful

against bone and mineral diseases

INVENTOR(S): Marquis, Robert W., Jr.; Ramanjulu, Joshi M.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

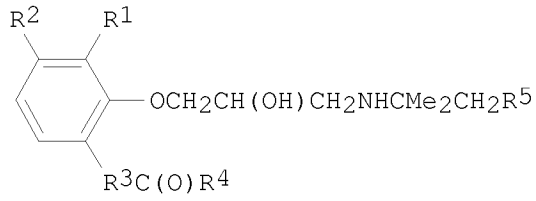
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2005077892 | A1 | 20050825 | WO 2005-US3499 | 20050204 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1713767 | A1 | 20061025 | EP 2005-712810 | 20050204 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS | | | | |
| JP 2007523076 | T | 20070816 | JP 2006-552249 | 20050204 |

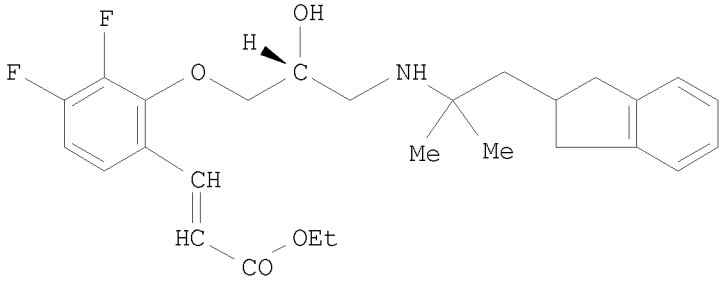
PRIORITY APPLN. INFO.: US 2004-542554P P 20040206
WO 2005-US3499 W 20050204

OTHER SOURCE(S): CASREACT 143:229575; MARPAT 143:229575

GI




I




II

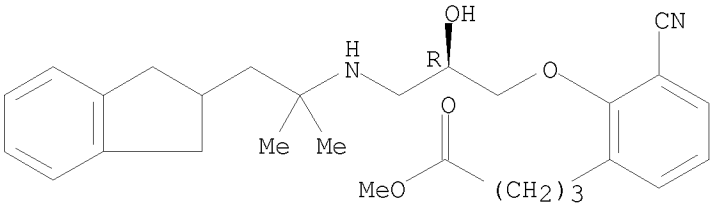
AB Novel calcilytic compds. (inhibitors of Ca receptor activity) (shown as I; R1 = H, CN, and halogen; R2 = H, halogen, CN, NO2, and SO2R4; R3 = (un)substituted C0-6 alkyl, and C0-6 alkenyl; R4 = OH, (un)substituted OC1-7alkyl; NH2, and NHR4; R5 = aryl, fused aryl, dihydro, tetrahydro fused aryl, and heteroaryl, (un)substituted with OH, halogen, C1-4 alkyl, C1-4 alkoxy, CF3, OCF3, CN and NO; e.g. (E)-3-[3,4-difluoro-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]-2-propenoic acid Et ester (shown as II)) and methods of using them are provided. No data is provided for the calcilytic activity of I. Although the methods of preparation are not claimed, 13 example prepns. are included. For example, II was prepared in 4 steps (18, 87, 80, and 82 % yields) starting with bromination of 2,3-difluorophenol and involving intermediates 6-bromo-2,3-difluorophenol, (R)-2-[(6-bromo-2,3-difluorophenoxy)methyl]oxirane, and (R)-1-(6-bromo-2,3-difluorophenoxy)-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propan-2-ol.

IT 862992-99-2P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid methyl ester
862993-00-8P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid hydrochloride
862993-07-5P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of amino-hydroxy-functionalized-aromatic carboxy
compds. as calcilytic compds. useful against bone and mineral diseases)

RN 862992-99-2 CAPLUS

CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, methyl ester (CA INDEX NAME)

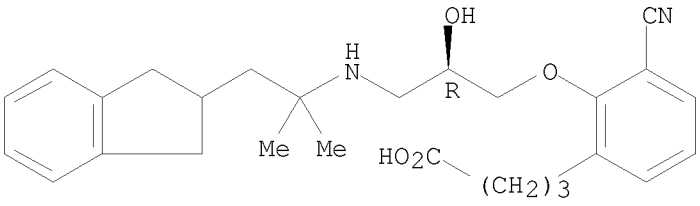
Absolute stereochemistry.




RN 862993-00-8 CAPLUS

CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, hydrochloride (1:1) (CA INDEX NAME)

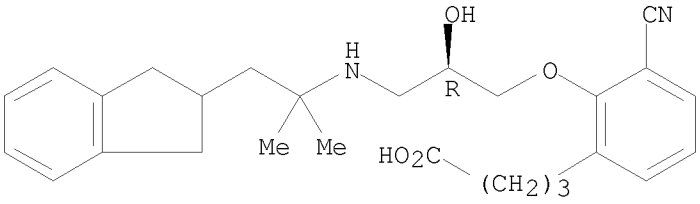
Absolute stereochemistry.




● HCl

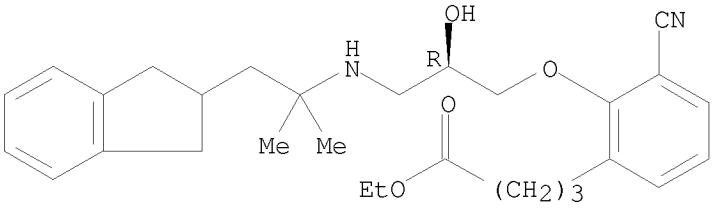
RN 862993-07-5 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]- (CA INDEX NAME)

Absolute stereochemistry.




IT 862993-01-9P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid ethyl ester hydrochloride 862993-08-6P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid ethyl ester
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of amino-hydroxy-functionalized-aromatic carboxy
compds. as calcilytic compds. useful against bone and mineral diseases)
RN 862993-01-9 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, ethyl ester, hydrochloride (1:1) (CA INDEX NAME)

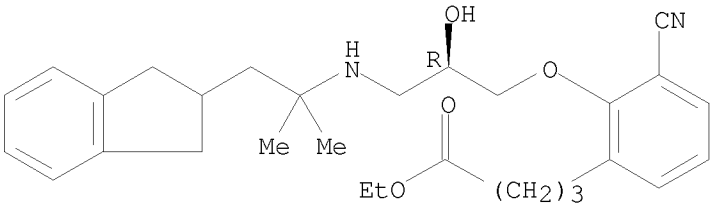
Absolute stereochemistry.



● HCl

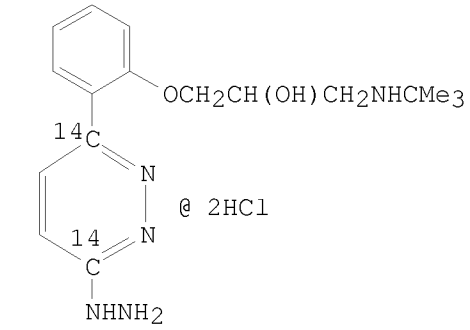
RN 862993-08-6 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

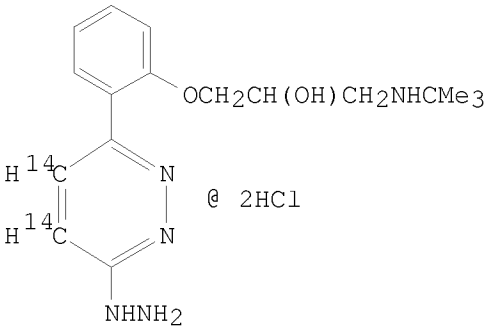


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1986:515008 CAPLUS
DOCUMENT NUMBER: 105:115008
ORIGINAL REFERENCE NO.: 105:18619a,18622a
TITLE: Syntheses of carbon-14-labeled prizidilol dihydrochloride
AUTHOR(S): Saunders, D.; Warrington, B. H.
CORPORATE SOURCE: Smith Kline and French Res. Ltd., Welwyn/Hertfordshire, AL6 9AR, UK
SOURCE: Journal of Labelled Compounds and Radiopharmaceuticals (1985), 22(9), 869-81
CODEN: JLCRD4; ISSN: 0362-4803
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 105:115008
GI



I



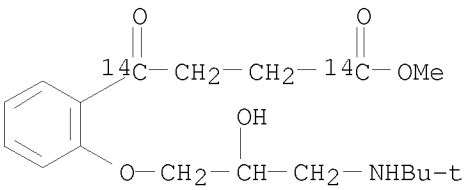
II

AB Two syntheses of radiolabeled prizidilol-2HCl are described. A ten-stage synthesis gave [3,6-14C2]prizidilol-2HCl I in an overall yield of 0.91%. A later, alternative procedure led to [4,5-14C2]prizidilol-2HCl II with an overall radiochem. yield of 8%.

IT 103913-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for carbon-14-labeled prizidilol dihydrochloride)

RN 103913-02-6 CAPLUS

CN Benzenebutanoic-carboxy,γ-14C2 acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (9CI) (CA INDEX NAME)

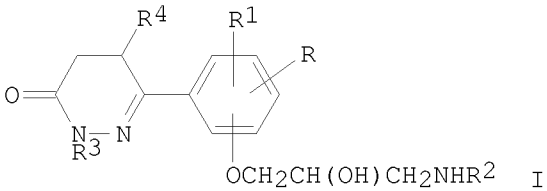


L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:152654 CAPLUS
DOCUMENT NUMBER: 88:152654
ORIGINAL REFERENCE NO.: 88:24065a,24068a
TITLE: Dihydropyridazinones
INVENTOR(S): Coates, William John; Roe, Anthony Maitland; Slater,

Robert Antony
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Brit., 25 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| GB 1488330 | A | 19771012 | GB 1973-58726 | 19731219 |
| ZA 7407462 | A | 19751231 | ZA 1974-7462 | 19741121 |
| AU 7475724 | A | 19760527 | AU 1974-75724 | 19741125 |
| CA 1033733 | A1 | 19780627 | CA 1974-214774 | 19741127 |
| IL 46158 | A | 19780831 | IL 1974-46158 | 19741129 |
| DK 7406340 | A | 19750825 | DK 1974-6340 | 19741205 |
| DK 142870 | B | 19810216 | | |
| DK 142870 | C | 19810921 | | |
| BE 823103 | A1 | 19750609 | BE 1974-151287 | 19741209 |
| FI 7403569 | A | 19750620 | FI 1974-3569 | 19741211 |
| US 3931177 | A | 19760106 | US 1974-531957 | 19741212 |
| SE 7415691 | A | 19750623 | SE 1974-15691 | 19741213 |
| SE 411666 | B | 19800514 | | |
| SE 413405 | C | 19800911 | | |
| DE 2459468 | A1 | 19750703 | DE 1974-2459468 | 19741216 |
| FR 2255070 | A1 | 19750718 | FR 1974-41471 | 19741217 |
| FR 2255070 | B1 | 19790921 | | |
| CH 608794 | A5 | 19790131 | CH 1974-16775 | 19741217 |
| JP 50093984 | A | 19750726 | JP 1974-146279 | 19741218 |
| HU 170633 | B | 19770728 | HU 1974-SI1445 | 19741218 |
| SU 578872 | A3 | 19771030 | SU 1974-2088301 | 19741218 |
| NL 7416578 | A | 19750623 | NL 1974-16578 | 19741219 |
| ES 433135 | A1 | 19761116 | ES 1974-433135 | 19741219 |

PRIORITY APPLN. INFO.: GB 1973-58726 A 19731219
GI



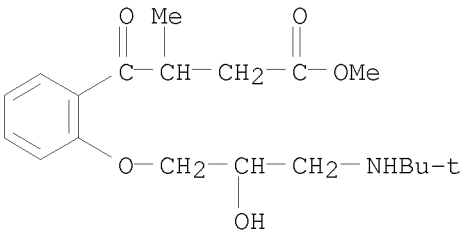
I

AB Forty title compds. I [R = H, alkyl, alkenyl, CF3, halo, cyano, NO2, OH, alkoxy, alkenyloxy, NH2, substituted amino; R1 = H, Me; R2 = Me2CH, Me3C; RR1 = benzo; R3 and R4 (same or different) are H or Me] and their salts, useful as β-adrenergic blocking agents and antihypertensives (no data) were prepared Any I were prepared from RR1(HO)C6H2COCHR4CH2COR5 (R5 = OH, NH2, alkoxy, alkylamino) by treatment with an epihalohydrin, R2NH2,

and N2N4 or MeNHNH2. Thus, 6-[4-(2-hydroxy-3-isopropylaminopropoxy)phenyl]-4,5-dihydro-3(2H)-pyridazinone was prepared from 4-HOC6H4CO(CH2)2CONHMe by sequential treatment with epichlorohydrin, Me2CHNH2, and N2N4.

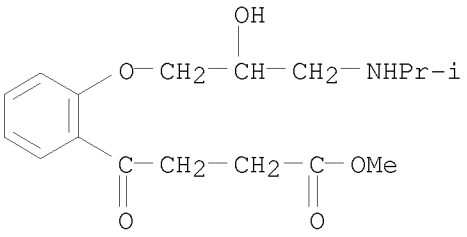
IT 59010-65-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation of, with hydrazine)

RN 59010-65-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-β-methyl-γ-oxo-, methyl ester (CA INDEX NAME)

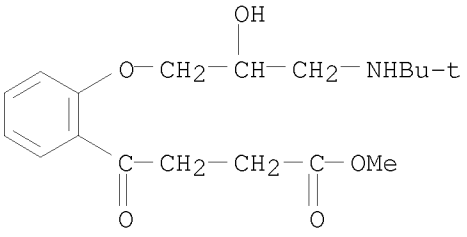


IT 56871-95-5P 56871-97-7P 56872-58-3P
59010-52-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate in aryldihydropyridazinone preparation)

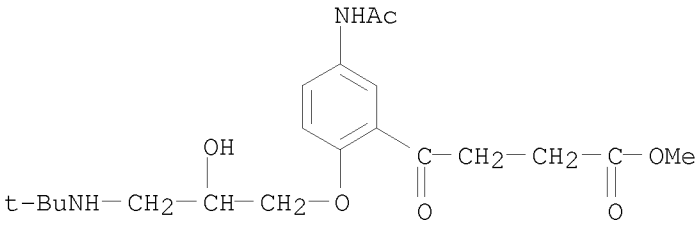
RN 56871-95-5 CAPLUS
CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



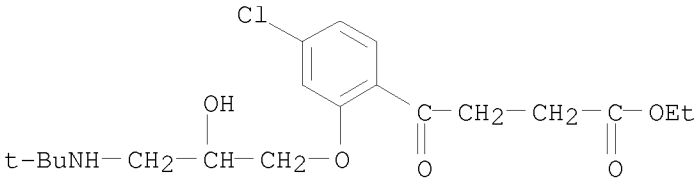
RN 56871-97-7 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



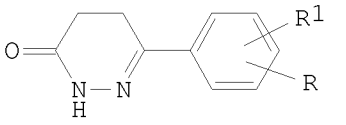
RN 59010-52-5 CAPLUS
CN Benzenebutanoic acid, 4-chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, ethyl ester (CA INDEX NAME)



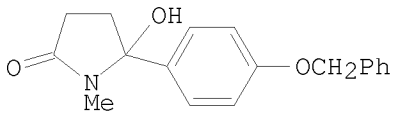
L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1977:423316 CAPLUS
DOCUMENT NUMBER: 87:23316
ORIGINAL REFERENCE NO.: 87:3697a,3700a
TITLE: Pharmaceutical compositions and methods of inhibiting β-adrenergic receptors
INVENTOR(S): Coates, William John; Roe, Anthony Maitland; Slater, Robert Antony
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: U.S., 15 pp. Division of U.S. 3,931,177.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | | DATE |
|---|---|---|---|---|---|
| US 4011321 | A | 19770308 | US 1975-613601 | | 19750915 |
| US 3931177 | A | 19760106 | US 1974-531957 | | 19741212 |
| PRIORITY APPLN. INFO.: | | | US 1974-531957 | A3 | 19741212 |
| | | | GB 1973-58726 | A | 19731219 |

GI



I



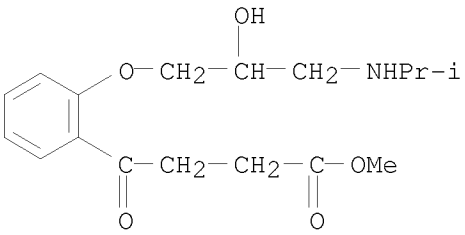
II

AB β-Sympatholytic and antihypertensive (no data) pyridazinones I [R = 2-, 3-, 4-OCH2CH(OH)CH2NHR2; R1 = 3-allyl, 3-Cl, H, 3-OMe, 4-Me, 3-NO2, 5-NHAc; R2 = CHMe2, CMe3] (13 compds.) were prepared In successive reactions, 4-PhCH2OC6H4Br was subjected to Grignard reaction with N-methylsuccinimide, II treated with HBr, 4-HOC6H4COCH2CH2CONHMe treated with epichlorohydrin and Me2CHNH2, and 4-Me2CHNHCH2CH(OH)CH2OC6H4COCH2CH2CONHMe treated with N2H4 to give I [R = 4-OCH2CH(OH)CH2NHCHMe2].

IT 56871-95-5P 56871-97-7P 56872-58-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with hydrazine)

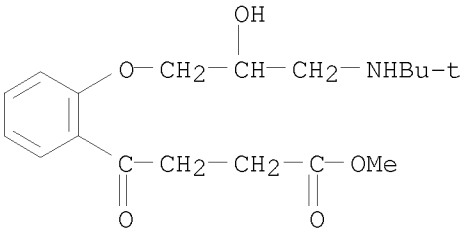
RN 56871-95-5 CAPLUS

CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



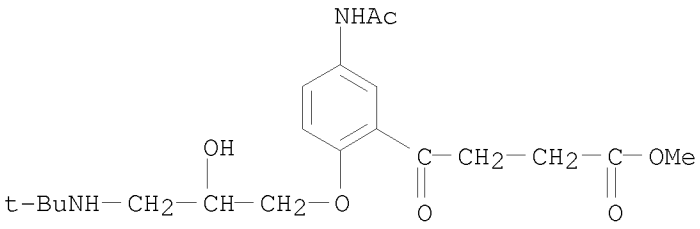
RN 56871-97-7 CAPLUS

CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56872-58-3 CAPLUS

CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)




L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:164819 CAPLUS
DOCUMENT NUMBER: 84:164819
ORIGINAL REFERENCE NO.: 84:26766h,26767a
TITLE: 6-Hydrazinopyridazines
INVENTOR(S): Coates, William J.; Roe, Anthony M.; Slater, Robert A.; Taylor, Edwin Michael
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Ger. Offen., 63 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

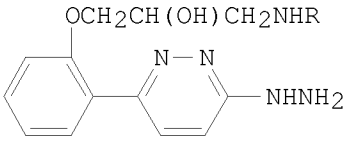
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| DE 2527066 | A1 | 19760108 | DE 1975-2527066 | 19750618 |
| GB 1527712 | A | 19781011 | GB 1974-26864 | 19740618 |
| ZA 7503277 | A | 19760428 | ZA 1975-3277 | 19750521 |
| IL 47351 | A | 19800229 | IL 1975-47351 | 19750526 |
| AU 7581581 | A | 19761202 | AU 1975-81581 | 19750527 |
| DK 7502452 | A | 19751219 | DK 1975-2452 | 19750530 |
| DK 145099 | B | 19820830 | | |
| DK 145099 | C | 19830131 | | |
| US 4053601 | A | 19771011 | US 1975-583379 | 19750603 |
| BE 830158 | A1 | 19751212 | BE 1975-157265 | 19750612 |
| CA 1067078 | A1 | 19791127 | CA 1975-229160 | 19750612 |
| FI 7501790 | A | 19751219 | FI 1975-1790 | 19750616 |
| FI 62532 | B | 19820930 | | |
| FI 62532 | C | 19830110 | | |
| HU 175418 | B | 19800728 | HU 1975-SI1472 | 19750616 |
| SE 7506947 | A | 19751219 | SE 1975-6947 | 19750617 |
| SE 416650 | B | 19810126 | | |
| SE 416650 | C | 19810507 | | |
| JP 51013782 | A | 19760203 | JP 1975-74260 | 19750617 |
| CH 617429 | A5 | 19800530 | CH 1975-7871 | 19750617 |
| NL 7507267 | A | 19751222 | NL 1975-7267 | 19750618 |
| FR 2275213 | A1 | 19760116 | FR 1975-19034 | 19750618 |
| FR 2275213 | B1 | 19790810 | | |
| ES 438685 | A1 | 19770516 | ES 1975-438685 | 19750618 |
| SU 799661 | A3 | 19810123 | SU 1975-2145553 | 19750618 |
| US 4111936 | A | 19780905 | US 1977-816986 | 19770719 |
| US 4111935 | A | 19780905 | US 1977-816993 | 19770719 |
| SU 862824 | A3 | 19810907 | SU 1978-2145553 | 19781222 |

PRIORITY APPLN. INFO.:

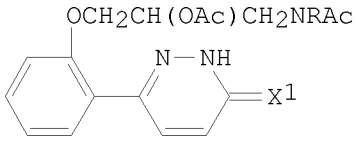
| | | |
|---|---|---|
| GB 1974-26864 | A | 19740618 |
| GB 1975-20 | A | 19750102 |
| GB 1975-2075 | A | 19750102 |
| US 1975-583379 | A2 | 19750603 |

OTHER SOURCE(S): MARPAT 84:164819

GI




I



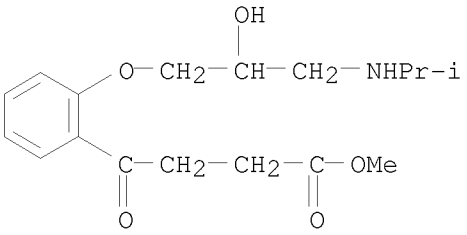

III

AB Vasodilating and β-sympatholytic (no data) hydrazinopyridazines I (R = CHMe2, CMe3) were prepared by esterifying 2-R1OC6H4CXCH2CH2COR2 (II, R1 = H, R2 = OH, X =O), treating II (R1 = H, R2 = OMe, X = O) with epibromohydrin, treating II (R1 = 2,3-epoxypropyl, R2 = OMe, X = O) with RNH2, and treating II (R1 = CH2CH(OH)CH2NHR, R2 = OMe, X = O) with N2H4, brominating-dehydrobrominating II (R1 = CH2CH(OH)CH2NHR, XR2 = NNHCO) in the presence of HOAc-Ac2O, treating the pyridazinones III (X1 = O) with P2S5, hydrolyzing III (X1 = S) and treating with N2H4.

IT 56871-95-5P 56871-97-7P 56872-58-3P
59010-52-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with hydrazine)

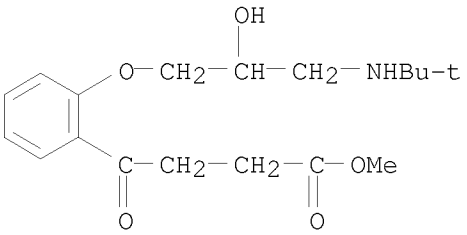
RN 56871-95-5 CAPLUS

CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)

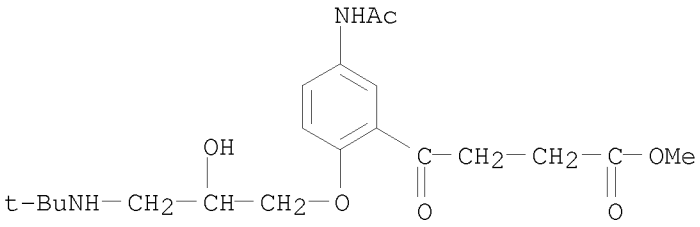



RN 56871-97-7 CAPLUS

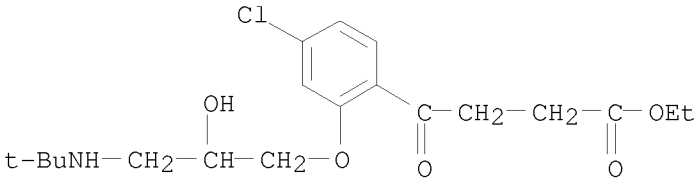
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



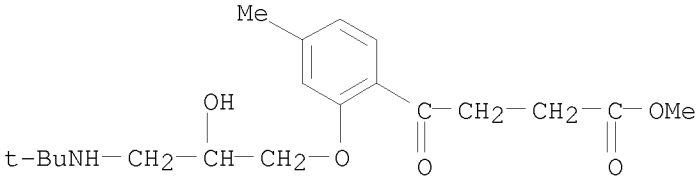
RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



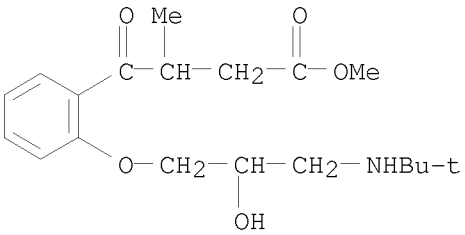
RN 59010-52-5 CAPLUS
CN Benzenebutanoic acid, 4-chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, ethyl ester (CA INDEX NAME)



IT 59010-49-0P 59010-65-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 59010-49-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-4-methyl-γ-oxo-, methyl ester (CA INDEX NAME)



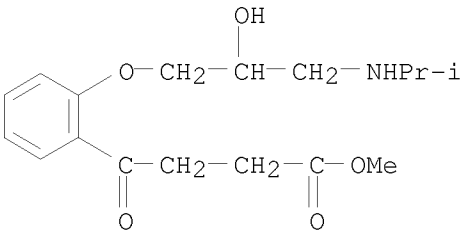
RN 59010-65-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-β-methyl-γ-oxo-, methyl ester (CA INDEX NAME)



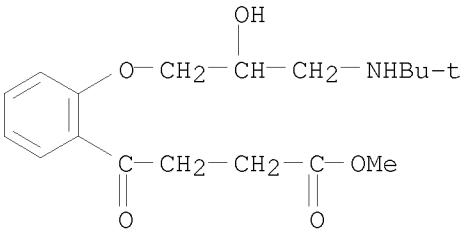
L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:564219 CAPLUS
DOCUMENT NUMBER: 83:164219
ORIGINAL REFERENCE NO.: 83:25775a,25778a
TITLE: Substituted aryldihydropyridazinones and their salts
INVENTOR(S): Coates, William J.; Roe, Anthony M.; Slater, Robert A.
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Ger. Offen., 55 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| DE 2459468 | A1 | 19750703 | DE 1974-2459468 | 19741216 |
| GB 1488330 | A | 19771012 | GB 1973-58726 | 19731219 |
| PRIORITY APPLN. INFO.: | | | GB 1973-58726 A | 19731219 |

GI For diagram(s), see printed CA Issue.
AB Antihypertensive and β-sympatholytic pyridazinones I (X = p-C6H4, o-C6H4, 1,4-naphthalenediyl, 4-R1C6H3-m, 3-R1C6H3-p, 2-HOC6H3-m, 5-AcNHC6H3-o; R = CHMe2, CMe3; R1 = allyl, Cl, OMe, Me, NO2) were prepared Thus N-methylsuccinimide was subjected to Grignard reaction with 4-PhCH2OC6H4Br, 2-(4-benzyloxyphenyl)-2-hydroxy-1-methyl-5-pyrrolidinone dehydrated and hydrolyzed to 4-HOC6H4COCH2CH2CONHMe, which was treated with epichlorohydrin to give 3-[4-(2,3-epoxypropoxy)benzyl]-N-methylpropionamide. Reaction of the epoxy compound with Me2CHNH2 gave 4-Me2CHNHCH2CH(OH)CH2OC6H4COCH2CH2CONHMe, which was cyclized with N2H4 to I (X = p-C6H4, R = CHMe2).
IT 56871-95-5P 56871-97-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with hydrazine)
RN 56871-95-5 CAPLUS
CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56871-97-7 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



IT 56872-58-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with hydrazine)
RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)